

AMI Quattro Fertilizer Mixer

User-friendly and durable

AMI Quattro Fertilizer Mixer has been developed for gardeners who demand stability. AMI Quattro is reliable, easy to use and can be build to fit your site's needs.

Both irrigation controller and fertilizer mixer

The irrigation controller in AMI Quattro can be divided into 3 valve groups, where each group is set individually for EC value, mixing ratio and pH together with alarms for minimum and maximum EC and pH. This makes it possible to irrigate several cultures with different demands without reprogramming the fertilizer mixer. For each group there are 7 different starting conditions, which can be combined. All in all it is possible to irrigate exactly according to the needs of the plants. Besides the 3 automatic irrigation groups it is possible to make a manual irrigation of one or more valves.



- The venturi dosing units supply fertilizer
- EC, pH and ratio control
- Flexible control of irrigation Valves
- Control of stock solutions and acid/alkaline

Several possibilities

AMI Quattro controls 5 stock solutions or 4 stock solutions and 1 acid or alkaline.

The irrigation water can be programmed for 3 different fertilizer recipes and the fertilizer mixer is able to work according to the local climatic conditions. The conductivity of the irrigation water can be controlled according to the solar radiation. By high radiation the mixer can be programmed to lower the conductivity in proportion to an increasing radiation. This means that a constant fertilizer concentration around the plant roots is maintained even though the evaporation is fluctuating

Technical

Water Output:	8, 15 or 30 m ³ /hour, 3 to 8 bars
Water Input:	2 to 7 bars
Fertilizer doing unit:	5 pcs
Recycle control:	1 tank
Suooly Voltage:	3 x 230/400V + 10%-15%, 50/60 Hz
Relay outputs for valves:	10 24V AC, 2A
Relay outputs for dosing:	5 24V AC, 2A, solid state
Relay outputs for pump:	0 24V AC, 2A solid state
Alarm output:	1 Potential free contact max. 42V AC, 2A
Digital inputs:	4 Potential free 5V, 10mA
Analogue inputs:	8 0-5V standard DGT Volmatic
Converters:	EC1, pH1, built-in EC2 og pH2 as check sensors or relative dosing, optional Sun radiation, optional Water flow sensor, optional Temperature and humidity inputs direct Flow switch and pressostat, inputs direct
Control area:	0-15 mS, 0-14 pH
Communication:	ARC-net with RS 485 interface

Physical

Dimensions L x W x H:	1200 x 770 x 1220 mm
Weight:	100-150 kg.
Proofing:	IP54
Emission:	EN50081-1
Immunity:	EN50082-1
Temperature:	0-50 grader C, without direct sun radiation
Humidity:	0-95 % RH without condensation

Specifications are subject to change without notice. Rev. 07.10.2008

Connection

AMI Quattro can be connected to one or several computers with the SuperLink program.

Durable and reliable

AMI Quattro is equipped with the venturi dosage units.

The AMI Quattro demands a minimum of service, which is quick and easy to perform.

Program content

EC control, 4 or 5 stock solutions
Regulating mixture proportions
PH control, acid or alkaline
10 irrigation solenoid valves
1 return tank
EC depending af solar radiation
3 irrigaton groups
1 manual irrigation group

Start conditions

Fixed interval
Week program
Low humidity
High temperature
Frost protection
Extern sensor

Alarms

EC og pH min./max., absolute
EC and pH relative
Check sensor
Lack of fresh water
Power failure

Distributor:

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